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AUGUST 28, 2002

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JAMES E. BUTLER  
3115 MERRYFIELD ROW  
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Under Secretary of Commerce For Intellectual Property and  
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Washington, DC 20231  
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\*102142481A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
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RECORDATION DATE: 06/26/2002

REEL/FRAME: 013030/0713  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HINKEL, CHRISTOPHER

DOC DATE: 06/06/2002

ASSIGNOR:

KIMMERLY, WILLIAM

DOC DATE: 06/06/2002

ASSIGNOR:

YANG, LI

DOC DATE: 06/12/2002

ASSIGNEE:

SYNGENTA PARTICIPATIONS AG  
SCHWARZWALDALLEE 215  
CH-4058 BASEL, SWITZERLAND

SERIAL NUMBER: 10056908  
PATENT NUMBER:

FILING DATE: 01/25/2002  
ISSUE DATE:

013030/0713 PAGE 2

MARY BENTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

07-02-2002  
102142481  
PAID

Tab settings ⇌⇌⇌

To the honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Christopher HINKEL  
William KIMMERLY  
LI YANG

06/26/02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 6/12/2002

2. Name and address of receiving party(ies)

Name: Syngenta Participations AG

Internal Address: \_\_\_\_\_

Street Address: Schwarzwaldallee 215

CH-4058 Basel, SWITZERLAND

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 10/056,908

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James E. Butler

Torrey Mesa Research Institute

Internal Address: \_\_\_\_\_

Street Address: 3115 Merryfield Row

City: San Diego State: CA Zip: 92121

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41). . . . . \$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

50-2021

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

James E. Butler

Name of Person Signing

James E. Butler  
Signature

June 18, 2002  
Date

Total number of pages including cover sheet, attachments, and documents: 5

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

07/01/2002 BYRHE 00000257 502021 10056908

01 FC:581 40.00 CH

ASSIGNMENT

We,

Christopher Hinkel	residing at	1264 Agate Street San Diego, CA 92109
William Kimmerly	residing at	5909 Gleam Court Agoura Hills, CA 91301
Li Yang	residing at	11310 W. San Raphael San Diego, CA 92130

for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell and assign to **Syngenta Participations AG**, a company organized under the laws of the Swiss Confederation, having a place of business at Schwarzwaldalee 215, CH-4058, Basel, Switzerland, its successors, assigns and legal representatives, all our right, title and interest, which includes the right to and full benefit of such priorities as may now or hereafter be granted to us by local laws or by treaty, including any international convention for the protection of industrial property, in and for the United States and its territories and possessions in and to the invention entitled:

METHODS OF ANALYSIS OF NUCLEIC ACIDS

invented by us and described in the application for United States Letters Patent

Application Serial No. 10/056,908, filed on January 25, 2002,

including (1) said application for United States Letters Patent and all continuations and divisions thereof (including further continuations and divisions such as, but not limited to, continuations of continuations and divisions of continuations), (2) all United States Letters Patent which may be issued and/or granted on all such applications, (3) all applications for reissues and extensions of and reexamination certificates for all such United States Letters Patent and (4) all reissues and extensions and reexamination certificates issued for all such United States Letters Patent, the said interest being the entire ownership of said invention and all of said applications, United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates to be held and enjoyed by the said Syngenta Participations AG and its successors and assigns to the full end of the terms to which said United States Letters Patent (including reissue Letters Patent),

extensions and reexamination certificates may be granted and/or issued, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made;

And we hereby agree to sign and/or execute any further documents and/or instruments which may be necessary, lawful and proper in and/or for the filing and/or prosecution of said applications for United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates and/or the granting and/or issuance thereof and/or to otherwise secure title to said invention and all of said applications, United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates in said assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of JUNE, 2002.

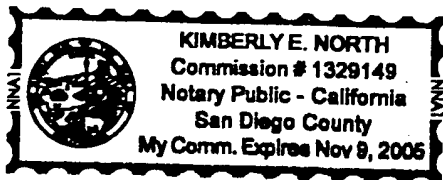
  
Christopher Hinkel

STATE OF CALIFORNIA )  
 )ss.

COUNTY OF San Diego

On this 6 day of JUNE, 2002 before me personally appeared Christopher Hinkel to me known and known to me to be the person described in and who executed the foregoing instrument, and he ~~she~~ duly acknowledged to me that he ~~she~~ executed the same for the uses and purposes therein set forth.

[SEAL]



Anthony E. Hart  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of June, 2002.

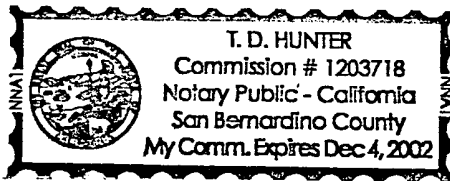
William Kimmerly  
 William Kimmerly

STATE OF California  
 )ss.

COUNTY OF Los Angeles

On this 6th day of June, 2002 before me personally appeared William Kimmerly to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



T. D. Hunter  
 Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

Li Yang

STATE OF \_\_\_\_\_  
 )ss.

COUNTY OF \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2002 before me personally appeared Li Yang to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

STATE OF \_\_\_\_\_ )  
 )ss.

\_\_\_\_\_  
William Kimmerly

COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2002 before me personally appeared William Kimmerly to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

\_\_\_\_\_  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12<sup>th</sup> day of June, 2002.

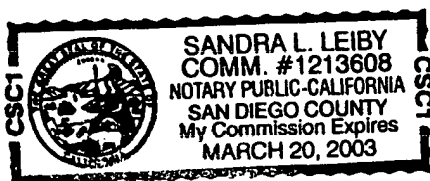
STATE OF California )  
 )ss.

\_\_\_\_\_  
Li Yang

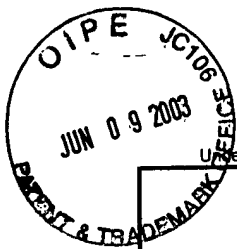
COUNTY OF San Diego

On this 12<sup>th</sup> day of June, 2002 before me personally appeared Li Yang to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



\_\_\_\_\_  
Sandra L. Leiby  
Notary Public



**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Christopher A. Hinkel et al.

Application No./Patent No.: 10/056,908 Filed/Issue Date: January 25, 2002

Entitled: Methods of Analysis of Nucleic Acids

Syngenta Participations AG, a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 013030, Frame 0713, or for which a copy thereof is attached.

**OR**

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
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The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.  
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

6/5/03  
Date  
919-765-5071  
Telephone number

Mary Kakefuda for Syngenta Participations AG  
Typed or printed name  
Mary Kakefuda  
Signature  
Patent Attorney  
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.





## GENERAL POWER

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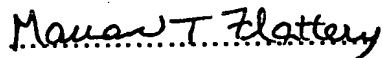
represented by FLATTERY Marian, from United States of America, in Basel and  
SMOLDERS Walter, from Belgium, in Ettingen

The following people are entitled to sign legally binding by the joint signatures of two for all Patent- and Trademark matters in the name of Syngenta Participations AG:


**ALLEN** Rose Mary  
**AMATO** Antonino  
**ANDREWS** Christopher Dr.  
**BASTIAN** Werner Dr.  
**BIDDLE** Jennifer  
**BIONDINI** Flavio  
**BLIND** Valérie  
**BOWDICH** Julie Anne  
**BUYNITZKY** Oksana  
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WARD Steven Paul  
WARREN Greg  
WATERMAN Richard  
WEICHSEL Christian Dr.  
WINZEK-BRETZ Christina Dr.  
YATES Michael  
ZELLINGER Jim

This power is valid until December 31, 2003.  
Basel, 7<sup>th</sup> of May 2003

**Syngenta Participations AG**

Marian Flattery  
Head of Global Intellectual Property



Walter Smolders  
Head of Global IP-Seeds

# FOR TRUE PHOTOSTATIC COPY

Basle, this 21<sup>st</sup> (twenty-first) day of May 2003 (two thousand-three).

*[Handwritten signature]*

Dr. C. Haab  
Advokat & Notar

Leg. Prot. i. v. 2/2003